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(71) Applicant (for all designated States except US): GMP COMPANIES, INC. [US/US]; One East Broward Boulevard, Suite 1701, Fort Lauderdale, FL 33301 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): NICOLAU, Yves, Claude [FR/US]; 15 Trinity Terrace, Newton, MA 02459 (US). LEHN, Jean-Marie [FR/FR]; 4, rue Blaise Pascal, F-67000 Strasbourg (FR).

(74) Agents: GORDON, Dana et al.; Foley, Hoag & Eliot, LLP, One Post Office Square, Boston, MA 02109 (US).

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(54) Title: AGENTS FOR THE ENHANCED OXYGEN DELIVERY IN MAMMALS

(57) Abstract: The present invention comprises compounds, compositions thereof, and methods capable of delivering a broad range of anionic molecules to the cytoplasm of mammalian cells. In certain embodiments, the present invention relates to compounds, compositions thereof, and methods that enhance the ability of mammalian red blood cells to deliver oxygen, by delivering a ligand for the allosteric site of hemoglobin to the cytoplasm of the blood cells.